

CLAIMS

1. An image transmitting method for storing image data captured by an image capturing unit of an image transmitter in a storage unit, reading the stored image data and transmitting the read image data from a communication section to a mobile phone having a display section of the image transmitter, comprising the steps of:

determining whether or not a connection is established between the communication section and the mobile phone;

requesting the mobile phone to obtain model information of the mobile phone if it is determined that the connection is established;

when the model information is obtained from the mobile phone in response to the request for the model information, reading conversion information corresponding to the obtained model information with reference to a conversion table that stores conversion information, which is used to convert captured image data into image data according to model characteristics, in association with each model information;

converting the image data stored in the storage unit, based on the read conversion information; and

transmitting the converted image data to the mobile phone through the communication section.

2. An image transmitter comprising:

an image capturing unit for capturing image data;

a storage unit for storing the captured image data;

a communication section for transmitting the image data stored in the storage unit to a mobile phone having a display section; and

a processor capable of performing the operation comprising the steps of

determining whether or not a connection is established between the communication section and the mobile phone;

requesting the mobile phone to obtain model information of the mobile phone if it is determined that the connection is established;

when the model information is obtained from the mobile phone according to the request for the model information, reading conversion information corresponding to the obtained model information with reference to a conversion table that stores conversion information, which is used to convert captured image data into image data according to model characteristics, in association with each model information;

converting the image data stored in the storage unit, based on the read conversion information; and

transmitting the converted image data to the mobile phone through the communication section.

3. The image transmitter of claim 2,

wherein the processor is further capable of performing the operation comprising the steps of:

obtaining conversion information corresponding to the obtained model information from external sources, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table; and

storing the conversion information corresponding to the model information obtained in the obtaining step in the conversion table.

4. The image transmitter of claim 2,

wherein the processor is further capable of performing the operation comprising the steps of:

storing a communication address of a server computer which is connected to the mobile phone through a network and stores the conversion information corresponding to model information;

outputting a connection request command for the server computer, the stored communication address and the obtained model information to the mobile phone, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table;

requesting the mobile phone to obtain the conversion information corresponding to the model information of the mobile

phone, which is distributed to the mobile phone from the server computer; and

storing the obtained conversion information corresponding to the mobile phone in the conversion table in association with the model information.

5. The image transmitter of claim 3,

wherein the processor is further capable of performing the operation comprising the step of providing information indicating absence of corresponding conversion information, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table.

6. The image transmitter of claim 4,

wherein the processor is further capable of performing the operation comprising the step of providing information indicating absence of corresponding conversion information, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table.

7. The image transmitter of claim 2, further comprising a protocol table storing a protocol for a transmission of image data between the communication section and mobile phone, in association with each model information,

wherein the transmitting step comprises reading a protocol

corresponding to the obtained model information from the protocol table, and transmitting the image data converted according to the read protocol to the mobile phone through the communication section.

8. The image transmitter of claim 3, further comprising a *protocol table storing a protocol for a transmission of image data* between the communication section and mobile phone, in association with each model information,

wherein the transmitting step comprises reading a protocol corresponding to the obtained model information from the protocol table, and transmitting the image data converted according to the read protocol to the mobile phone through the communication section.

9. The image transmitter of claim 4, further comprising a *protocol table storing a protocol for a transmission of image data* between the communication section and mobile phone, in association with each model information,

wherein the transmitting step comprises reading a protocol corresponding to the obtained model information from the protocol table, and transmitting the image data converted according to the read protocol to the mobile phone through the communication section.

10. The image transmitter of claim 5, further comprising a protocol table storing a protocol for a transmission of image data between the communication section and mobile phone, in association with each model information,

wherein the transmitting step comprises reading a protocol corresponding to the obtained model information from the protocol table, and transmitting the image data converted according to the read protocol to the mobile phone through the communication section.

11. An image transmitter comprising:

an image capturing unit for capturing image data;

a storage unit for storing the captured image data;

a communication section for transmitting the image data stored in the storage unit to a mobile phone having a display section;

means for determining whether or not a connection is established between the communication section and the mobile phone;

means for requesting the mobile phone to obtain model information of the mobile phone if it is determined that the connection is established;

when the model information is obtained from the mobile phone in response to the request for the model information, means for reading conversion information corresponding to the obtained

model information with reference to a conversion table that stores conversion information, which is used to convert captured image data into image data according to model characteristics, in association with each model information;

means for converting the image data stored in the storage unit, based on the read conversion information; and

means for transmitting the converted image data to the mobile phone through the communication section.

12. The image transmitter of claim 11, further comprising:

means for obtaining conversion information corresponding to the obtained model information from external sources, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table; and

means for storing the conversion information corresponding to the model information obtained by the obtaining means in the conversion table.

13. The image transmitter of claim 11, further comprising:

means for storing a communication address of a server computer which is connected to the mobile phone through a network and stores the conversion information corresponding to model information;

means for outputting a connection request command for

the server computer, the stored communication address and the obtained model information to the mobile phone, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table;

means for requesting the mobile phone to obtain the conversion information corresponding to the model information of the mobile phone, which is distributed to the mobile phone from the server computer; and

means for storing the obtained conversion information corresponding to the mobile phone in the conversion table in association with the model information.

14. The image transmitter of claim 12, further comprising means for providing information indicating absence of corresponding conversion information, if the obtained model information or conversion information corresponding to the model information is not present in the conversion table.

15. The image transmitter of claim 11, further comprising a protocol table storing a protocol for a transmission of image data between the communication section and mobile phone, in association with each model information,

wherein said transmitting means is designed to read a protocol corresponding to the obtained model information from the protocol table and transmit the image data converted according to

the read protocol to the mobile phone through the communication section.

16. A memory product storing a computer program for storing image data captured by an image capturing unit of an image transmitter in a storage unit, reading the stored image data and transmitting the read image data from a communication section of the image transmitter to a mobile phone having a display section, said computer program comprising the steps of:

causing a computer to determine whether or not a connection is established between the communication section and the mobile phone;

causing the computer to request the mobile phone to obtain model information of the mobile phone if it is determined that the connection is established;

when the model information is obtained from the mobile phone in response to the request for the model information, causing the computer to read conversion information corresponding to the obtained model information with reference to a conversion table that stores conversion information, which is used to convert captured image data into image data according to model characteristics, in association with each model information;

causing the computer to convert the image data stored in the storage unit, based on the read conversion information; and

causing the computer to transmit the converted image data

to the mobile phone through the communication section.